# MATERIAL SAFETY DATA SHEET

**NOTE:** BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

**IDENTITY**
(As shown on Label or package) *PLASTI DIP and PLASTI DIP UV* (F-698, 819, 820)

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>IF APPLICABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>29980036</td>
</tr>
</tbody>
</table>

### SECTION I

**MANUFACTURER’S NAME**
Plasti Dip International Inc.

**ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)**
3920 Pheasant Ridge Drive

**Blaine, MN 55449**

**MANUFACTURER’S PHONE**
USA only: 1-800-424-9300 INT’L: 703-527-3887

**DATE MSDS WAS PREPARED**
October 20, 2004

### SECTION II - HAZARDOUS INGREDIENTS INFORMATION

All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CHEMICAL %</th>
<th>CAS NO.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS</th>
<th>RECOMMEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>VM&amp;P Naphtha</td>
<td>36.5 - 37.1</td>
<td>64742-89-8</td>
<td>300 ppm</td>
<td>300 ppm</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Hexane</td>
<td>18.2 - 18.6</td>
<td>110-54-3</td>
<td>500 ppm</td>
<td>50 ppm</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>14.6 - 14.8</td>
<td>108-88-3</td>
<td>200 ppm</td>
<td>50 ppm</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>3.5 - 3.7</td>
<td>78-93-3</td>
<td>200 ppm</td>
<td>200 ppm</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Resins</td>
<td>25.8 - 27.1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>BOILING POINT</th>
<th>SPECIFIC GRAVITY (H2O = 1)</th>
<th>APPROXIMATE WEIGHT PER GALLON (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>149-285°F</td>
<td>0.79 - 0.83</td>
<td>6.60 - 6.90</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VAPOR PRESSURE</th>
<th>VAPOR DENSITY (AIR = 1)</th>
<th>EVAPORATION RATE (BUTYL ACETATE = 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 mmHg @ 20°C</td>
<td>Heavier than air</td>
<td>&gt;1.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOLUBILITY IN WATER</th>
<th>% VOLATILE</th>
<th>OTHER (IF ANY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insoluble</td>
<td>72.8 - 74.8</td>
<td>None</td>
</tr>
</tbody>
</table>

**APPEARANCE AND ODOR**
Various colors, Honey Like Substance - Characteristic Odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>FLASH POINT</th>
<th>FLAMMABLE LIMITS</th>
<th>LEI</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>-10.0°F</td>
<td></td>
<td>0.9</td>
<td>11.5</td>
</tr>
</tbody>
</table>

**EXTINGUISHING MEDIA**
Carbon Dioxide, Dry Chemical, or Foam

**SPECIAL FIRE FIGHTING PROCEDURES**
Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**
This material is flammable and may be ignited by heat, sparks, flame or static electricity.

**HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION**
Carbon Dioxide and/or Carbon Monoxide

**EXPLOSIVE LIMITS**
(% BY VOLUME IN AIR) 0.9 - 11.5

### SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION

<table>
<thead>
<tr>
<th>HAZARD RATING</th>
<th>NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-EXTREME</td>
<td>FIRE_3_REACTIVITY_0_</td>
</tr>
<tr>
<td>3-HIGH</td>
<td>HEALTH_2_SPECIAL_HAZARDS_None_</td>
</tr>
<tr>
<td>2-MODERATE</td>
<td></td>
</tr>
<tr>
<td>1-SLIGHT</td>
<td></td>
</tr>
<tr>
<td>0-INSIGNIFICANT</td>
<td></td>
</tr>
</tbody>
</table>

*Estimate
N/A-Not Applicable
N/R-Not Restricted
NIE-Not Established

This is the "front" when printed in duplex. Page 1 of 2 pages if not duplex.
SECTION VI - REACTIVITY AND STABILITY DATA

STABILITY | UNSTABLE | STABLE X
---|---|---

INCOMPATIBILITY (Materials to Avoid) Strong acids, bases, oxidizing agents, selected amines with alkali metals and halogens.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS Carbon Monoxide, Carbon Dioxide

HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR X

CONDITIONS TO AVOID May be ignited by heat, sparks, flame or static electricity.

SECTION VII - HEALTH HAZARD DATA

ROUTES OF ENTRY INHALATION? YES SKIN? YES INGESTION? YES EYES? YES

HEALTH HAZARDS ACUTE X CHRONIC X

CARCINOGENICITY: No

SIGNS AND SYMPTOMS OF EXPOSURE Headache, Dizziness, Drowsiness, Fatigue, Irregular Heartbeat, Skin and Eye Irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove to fresh air. Administer Oxygen or Artificial Respiration if Necessary.

Eye Contact: Flush with large amounts of water. If irritation persists, contact Physician.

Skin: Wash with soap and water.

ROUTES OF ENTRY INHALATION? YES SKIN? YES INGESTION? YES EYES? YES

HEALTH HAZARDS ACUTE X CHRONIC X

CARCINOGENICITY: No

SIGNS AND SYMPTOMS OF EXPOSURE Headache, Dizziness, Drowsiness, Fatigue, Irregular Heartbeat, Skin and Eye Irritation.

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SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN Wipe up with floor absorbent. Transfer to hood. Prevent run-off to sewers.

IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate all sources of ignition. Ventilate to maintain exposure below PEL’s. Use sand or other material to dam or contain Spills. If large spill, notify appropriate state and local agencies.

WASTE DISPOSAL METHODS Dispose of product in accordance with local, county, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING Avoid eye contact with eyes. Keep container closed. Use with adequate ventilation. Keep away from sparks, flame and heat Sources and store in a cool area. Avoid inhalation of vapors and personal contact with liquid product. Use good personal hygiene practices.

OTHER Keep Container Closed When Not In Use. Containers should be disposed of in an environmentally safe manner in accordance with Governmental Regulations.

SECTION IX - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE) Depending on the Airborne concentration, use a Respirator with appropriate NIOSH approved cartridge or supplied air equipment.

VENTILATION LOCAL EXHAUST Supplemental (if needed)

MECHANICAL (GENERAL) To maintain exposure below PEL’s

EYE PROTECTION Chemical splash goggles, or approved eye protection.

WORK HYGIENIC PRACTICES Wash thoroughly after handling.

SECTION X - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME Coating Solution

DOT UN NUMBER UN1139

DOT HAZARD CLASS 3

IATA PROPER SHIPPING NAME Coating Solution

IATA HAZARD CLASS 3

IATA UN NUMBER UN 1139

IATA PACKING GROUP II

SECTION XI - 313 SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO-KNOW ACT OF 1986, 40 CFR 372, (see table on page 1 for CAS # and percent by weight).

Hexane, Toluene, and Methyl Ethyl Ketone

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

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Prepared By: Andrew Stooksbury

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